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Product datasheet for MR231099

Med15 (NM_001285884) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med15 (NM_001285884) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med15
Synonyms:	A230074L19Rik; AW536074; mPcqap; Pcqap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>MR231099 representing NM_001285884
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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CAGGAGCAGCTGGGATTGGCATGCCTCCTCGGGGCCCAGGACAGTCCCTGGGTGGGATGGGTGGCCTTGG
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AACAGATACAACAGCAGCAACTGCAGAGGATGGCACAGTTGCAGCTGCAGCAACAGCAACAGCAGCAACA
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Protein Sequence:

>MR231099 representing NM_001285884
Red=Cloning site Green=Tags(s)

MDVSGQETDWRSAAFRQKLVSQIEDAMRKAGVAHSKSSKDMESHVFLKAKTRDEYLSLVARLIIHFRDIH
NKKSQASVSDPMNALQSLTGGPTPGAAGIGMPPRGPGQSLGGMGGLGAMGQPLPLSGQPPPGTSGMAPHG
MAVVSTATPQTQLQLQQVALQQQQQQQQQQQFQQQQAALQQQQQQQQQQQQQQQQFQAQQNAMQQQFQAVV
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QSPVTARTPQNFSVPSPGPLNTPVNPSSVMSPAGSSQAEEQQYLDKLKQLSKYIEPLRRMINKIDKNEDR
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RSPVFNHSLYRTFVPAMMAIHGPPIVSPVVCSRKRRFEEDERQSIPNVLQGEVARLDPKFLVNLDPSHCS
NNGTVHLICKLDDKDLPSVPPLELSVPADYPAQSPMWIDRQWQYGRCQPLSAVSAPVHDLKAAAAP

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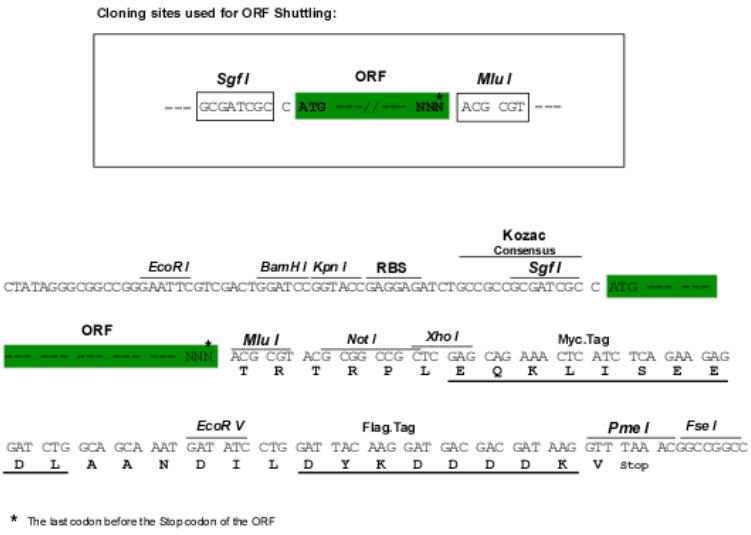
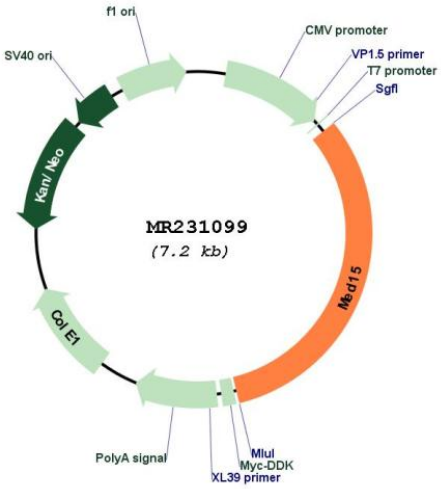
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001285884
ORF Size:	2298 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001285884.1, NP_001272813.1
RefSeq Size:	3417 bp
RefSeq ORF:	2301 bp
Locus ID:	94112

Cytogenetics:	16 10.94 cM
MW:	84.2 kDa
Gene Summary:	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Required for cholesterol-dependent gene regulation. Positively regulates the Nodal signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]